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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/087,511	03/01/2002	Veijo Pulkkinen	0207US-Euroelektro	4052
23521	7590	07/07/2005	EXAMINER	
SALTAMAR INNOVATIONS 30 FERN LANE SOUTH PORTLAND, ME 04106			YE, LIN	
			ART UNIT	PAPER NUMBER
			2615	
DATE MAILED: 07/07/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/087,511

Applicant(s)

PULKKINEN, VEIJO

Examiner

Lin Ye

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☒ Claim(s) 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>6/1/02</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 12 recites the limitation "~~the~~ data transfer protocol" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Matsumoto et al. U.S. Patent 6,172,605.

Referring to claim 1, the Matsumoto reference discloses in Figures 1 and 6, a process control system comprising: at least one process control unit (monitoring central unit 20, See Col. 4, lines 50-59) including a program (software, see Col. 8, lines 63-65) for controlling operation of a process, said process control unit (20) being adapted to form a query message comprising a code of a desired image-processing task and parameter values needed for performing the image-processing task (e.g., instructions for the image-processing, such as changes the resolution of

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image, number of frames, see Col. 8, lines 16-30), a data-transfer link (communication line 30) for conveying the query message and a reply message (e.g. Figure 1 shows the communication line is transfer message in two directions), a video camera (TV camera 11 of the monitoring terminal unit 10), image-processing software (encoding control means 133) for processing a picture taken by the video camera, in accordance with the query message (e.g., instructions for changing the resolution of image, see, Col. 8, lines 27-29), an adaptation program (data communication control 16) coupled to the image-processing software (133) and the data-transfer link (30), the adaptation program (16) further adapted to extract the code and the parameter values from the query message received from the data-transfer link, and to transform the code and the parameter values to a form suitable for the image-processing software so that the image-processing software is able to carry out the desired image-processing task (See Col. 8, lines 39-49); the adaptation program further adapted to receive the results of the image processing task from the image-processing software and send the results in the reply message via the data transfer link to the process control unit (the adaptation program of communication control 16 reply a real time image data as the results of the image processing task to the process control unit 20 according to the requirements of query message, see Col. 5, lines 20-25 and Col. 7, lines 11-26).

Referring to claim 2, the Matsumoto reference discloses wherein one query message includes several codes of the image-processing tasks with their parameter values (e.g., the resolution % and the number of frames, see Col. 8, lines 30-35).

Referring to claim 3, the Matsumoto reference discloses wherein the adaptation program (16) contains several codes (e.g., instructions) of the image-processing tasks, wherein in response to the codes and the attached parameter values the image-processing program (133) is able to carry out the corresponding number of image-processing tasks (See Col. 8, lines 44-49).

Referring to claim 4, the Matsumoto reference discloses wherein the image-processing software (133) and the video camera (11) are integrated to form a smart camera (monitoring terminal unit 10), and the adaptation program (16) has been installed in this camera (10) as shown in Figure 1.

Referring to claim 5, the Matsumoto reference discloses wherein the image-processing software and the adaptation program are installed in a computer (hardware, such as communication control 16, encoding control means and encoder 12) connected to the camera (TV camera 11, as shown in Figure 1, See Col. 8, lines 63-65).

Referring to claim 6, the Matsumoto reference discloses wherein when the process control program needs information about a picture (resolution % or number of frames per second), a query message is formed into which the code identifying the task and the related parametric values are placed as shown in Figure 7C.

Referring to claim 7, the Matsumoto reference discloses wherein by changing information to be received from a picture, desired modifications are made only in the program for controlling operation of the process (See Col. 8, lines 28-30).

Referring to claim 8, the Matsumoto reference discloses wherein any commands concerning image-processing may be included in the program (instruction) for

controlling operation of the process, provided that the adaptation program (includes the codes identifying the tasks (see Col. 8, lines 16-30).

Referring to claim 9, the Matsumoto reference discloses wherein the process control unit is a programmable logic controller (e.g., monitoring central unit 20 as a programmable logic controller includes various control functions formed or configured as either software or hardware).

Referring to claim 10, the Matsumoto reference discloses wherein the data transfer link is a field bus (communication line 30).

Referring to claims 11-12, the Matsumoto reference discloses all subject matter as discussed with respected same comments to claims 1 and 4, and in order to establishing communication and exchange information between monitor terminal unit (10) and monitoring central unit (20) via the communication line (data transfer line 30), a pre-defined protocol are used inherently.

Referring to claims 13-15, the Matsumoto reference discloses all subject matter as discussed with respected same comments to claims 1-3.

Referring to claims 16-23, the Matsumoto reference discloses all subject matter as discussed with respected same comments to claims 1-10.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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- a. Blackshear et al. U.S. 5,111,288 discloses a surveillance camera system comprises a computer programmed for automatic or manual operation of the system.
 - b. Sato et al. U.S. 2001/0043272 discloses a camera control apparatus provides an end user with environment to easily remote control a video camera.
 - c. Steinberg et al. U.S. 6,628,325 discloses a communication device for interconnecting a digital camera to a communication network via a pre-defined protocol.
 - d. Kawahara U.S. 6,677,990 discloses a control device for an image input apparatus to control the image input accordance with the calculation results obtained by the calculation device.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lin Ye whose telephone number is (571) 272-7372.

The examiner can normally be reached on Mon-Fri 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Lin Ye
Examiner
Art Unit 2615

January 19, 2005